



ADDENDUM NO. 1

TO: All Bidders and Plan Holders

FROM: Douglas Gresham, Project Manager

PROJECT: NW Connell and NW Garibaldi Street Improvements, No. 10485

DATE: June 11, 2013

This addendum to the contract documents is issued to clarify, correct, and supplement the drawings and contract documents issued as "NW Connell and NW Garibaldi Street Improvements", bid closing date June 27, 2013.

Due to a conflict with another bid, the bid opening for this project is changed to Tuesday, July 2, 2013 at 2pm.

Please be advised of the following revisions to the bid documents:

Changes to the Cover Page of the Invitation to Bid for Public Improvements:

The bid closing/opening date is changed to 7/2/2013.

Changes to the Advertisement:

The bid closing is changed to Tuesday, July 2, 2012 at 2:00pm. First Tier subcontractor disclosures are due by 4:00pm on Tuesday July 2, 2013.

Changes to Section I. Instructions to Bidders:

Section 4. Bid Submission: The bid label should be changed to reflect the new bid due date.

Changes to Section XI. First-Tier Subcontractor Disclosure Form:

The City of Hillsboro Information box should be changed to reflect the new bid closing/opening date.

Changes to the Special Specifications:

The project number at the top of page is incorrect; it should read Project No. 10485.

This addendum will serve to correct the above bid documents. It is not required to replace or change the sheets in the bid documents. All other requirements of the bid documents remain unchanged.

It is the responsibility of the prospective bidders to note the contents of this addendum and that the owner is made aware that the addendum has been received. Acknowledge receipt by noting addendum number and date of receipt on the bid proposal form (Section X) and return this signed form with the bid packet on **July 2, 2013** at 2:00 p.m.

Bidder Name: _____

 Address: _____

Acknowledged receipt by: _____

Public Works - Engineering Division

Mail 150 E Main Street, 4th Floor, Hillsboro, Oregon 97123 Phone 503.681.6146 Fax 503.681.6245
Web www.ci.hillsboro.or.us/PublicWorks



ADDENDUM NO. 2

TO: All Bidders and Plan Holders

FROM: Douglas Gresham, Project Manager

PROJECT: NW Connell and NW Garibaldi Street Improvements, No. 10485

DATE: June 27, 2013

This addendum to the contract documents is issued to clarify, correct, and supplement the drawings and contract documents issued as "NW Connell and NW Garibaldi Street Improvements", bid closing date July 2, 2013.

Please be advised of the following revisions to the bid documents:

Changes to the Plans:

Page C-100 (11 of 32):

On the top section NE Garibaldi St, the 7' travel lane should be 14' and the sidewalk on the right side should be labeled as a sidewalk, not a travel lane.

Page C-101 (14 of 32):

1. Some of the notes for STMH #1 and #3 are missing. Add the following notes for STMH#1:

STMH #1	STMH #3
STA 11+07 34.5' R	STA 12+89 .5' L
48" STD MANHOLE	48" STD MANHOLE
RIM = 195.58	RIM = 190.65
IE IN = 186.50 10" E & W	IE IN = 186.22 10" N
IE OUT = 186.30 12" N	IE IN = 185.64 14" W
	IE OUT = 185.44 15" E

2. The storm pipe material from STMH #1 to STMH #2 should be 12" C-900.
3. The storm pipe material from STMH #2 to STMH #3 should be 14" C-905
4. All Catch Basin Runs should be 10" C-900 pipe.

Page C-102 (16 of 32)

1. All Catch Basin Runs should be 10" C-900 pipe.

Page C-103 (17 of 32)

1. All Catch Basin Runs should be 10" C-900 pipe.

Page C-104 (18 of 32)

1. All Catch Basin Runs should be 10" C-900 pipe.
2. Some of the notes for STMH #13 are missing. Add the following notes for STMH#13:

STMH #13
STA 14+24 34' L
48" STD MANHOLE
RIM = 189.65
IE IN = 184.43 10" N & SW
IE OUT = 184.23 12" E

Public Works - Engineering Division

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Web www.ci.hillsboro.or.us/PublicWorks

Page C-105 (19 of 32)

1. All Catch Basin Runs should be 10" C-900 pipe.
2. Manhole STMH #18 is incorrect. The corrected dimensions are below:

STMH #18
STA 20+20 22' R
48" STD MANHOLE
RIM = 182.83
IE IN = 177.33 21" S
IE OUT = 177.13 21" N

3. There is no IE listed for the storm outfall. The IE = 176.76

Pages C-106 and C-106A (21&22 of 32)

1. Change all 36" pipe to 36" Class 3 Concrete pipe.

Pages C-107 and C-108 (24&25 of 32)

1. Change all CB and area drain pipe runs to 8" C-900
2. Add the following note to each CB and area drain connection(5 locations):
Cut in factory 8"x8" tee to connect CB (or area drain) to 8" storm main line
3. Add the following note the existing storm manhole at STA 46+09

Break into existing manhole and connect 8" line to existing manhole
IE = 187.32 NEW 8" IN S
IE = 187.12 8" OUT W

The above plan sheets have been updated and are available for download on the City's website.

Changes to Section IX bid proposal form:

The bid proposal for has been updated to incorporate the above corrections to the storm sewer. Bid items have been added, removed or corrected as needed. The bid proposal form was also slightly reformatted to provide additional space to write in bid prices.

Water Quality Facility Item 15. Furnish and Install Ultra Block Retaining Wall:

Change the quantity from 800SF to 1200SF

New bid proposal forms are included with this addendum.

Changes to the Special Specifications:

Section 11. Furnish and Install Storm Sewer Pipe

Add the following sentence to the 1st paragraph:

When no pipe material is listed on the plans, the contractor may select any pipe material approved by CWS, except for corrugated polyethylene.

Add the following Section:

12a. Cut 8" factory tee into existing storm line.

Where catch basin runs and area drain runs connect to the existing 8" storm main line on sheets C-107 and C-108, it is necessary to make the connection by cutting a factory tee into the existing concrete storm line. This bid item shall include the factory tee, all necessary rigid fittings/couplers, any pipe, and all labor, excavation, and backfill necessary to fabricate a connection to the existing storm line. Incidental to this bid item shall be a TV inspection of the existing storm line to ensure all connections are sound.

Add the following section:

13a. Connect Storm Line to Existing Manhole

Core saw a new hole in existing manhole and connect the new line in accordance with CWS standards. Modify the existing channel and bench as necessary to optimize flow.

This bid item covers all labor and material required to connect a new storm line to an existing manhole.

Section 14. Abandon Existing Storm Sewers

Add the following to the first paragraph:

In addition to blown sand, pipes may be filled with low strength CDF or grout as an alternative.

Replace the second paragraph with the following:

Payment for abandoning existing storm sewers shall be on a linear foot basis by pipe size, and includes all labor, equipment, materials, pipe fill, class B backfill, and disposal of spoils. Pipes removed due to conflict with new work (STMH #16 to outfall) shall be considered incidental to the new work bid item.

This addendum will serve to correct the above bid documents. All other requirements of the bid documents remain unchanged.

It is the responsibility of the prospective bidders to note the contents of this addendum and that the owner is made aware that the addendum has been received. Acknowledge receipt by noting addendum number and date of receipt on the bid proposal form (Section X) and return this signed form with the bid packet on **July 2, 2013** at 2:00 p.m.

Bidder Name: _____
 Address: _____

Acknowledged receipt by: _____

BID ITEMS

SECTION IX BID PROPOSAL FORM					
Furnish all equipment, materials, and labor to complete the construction of approximately 2,600 linear feet of roadway, including storm sewer improvements, water line construction, paving, striping, curb and gutter, sidewalks, and all other associated work items, restoration, and repair work.					
NW Garibaldi St. & NW Connell Ave. Street Improvements					
NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
1	Move-in, Bond, Insurance	L.S.	All		
2	Traffic Control				
2a	Temporary Protection and Direction of Traffic	L.S.	All		
2b	Flaggers	Hr	1200		
3	Erosion Control	L.S.	All		
4	Clearing and Grubbing including brush and small tree (4" and smaller) removal	L.S.	All		
5	Larger Tree Removal	L.S.	All		
STORM SEWER					
6	Furnish and Install Standard Manhole With Class B Backfill				
6a	48"	EA	15		
6b	48" Shallow Flat Top	EA	1		
7	Abandon Storm Sewer				
7a	8" Storm Sewer	L.F.	330		
7b	12" Storm Sewer	L.F.	401		
8	Furnish and Install Area Drain	EA	3		

BID ITEMS

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
9	Remove 48" Manhole				
	Replace With Class B Backfill	EA	1		
10	Remove CG-2 Catch Basin				
	Replace With Class B Backfill	EA	8		
11	Furnish and Install CG-48 Curb Inlet				
	Manhole with Class B Backfill	EA	2		
12	Furnish and Install CG-2 Catch Basin				
	with Class B Backfill	EA	26		
13	Furnish and Install Storm Pipe with				
	Class B Backfill				
13a	6" Storm Pipe	L.F.	973		
13b	12" Storm pipe	L.F.	154		
13c	15" Storm Pipe	L.F.	687		
13d	21" Storm Pipe	L.F.	722		
13e	21" Class 3 Reinforced Concrete Pipe	L.F.	112		
13f	8" C-900	L.F.	97		
13g	10" C-900	L.F.	358		
13h	12" C-900	L.F.	35		
13i	14" C-905	L.F.	182		
14	Furnish and Install Inserta-Tee with Class B Backfill				
14a	6" Inserta Tee	EA	36		
14b	10" Inserta Tee	EA	5		
14c	Cut 8" Factory Tee into existing line.	EA	5		

BID ITEMS

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
15	Connect lateral to Storm Structure	EA	2		
15a	Connect New Storm Line to Existing Manhole	EA	1		
16	Adjust Manhole Rim to Grade	EA	8		
17	Furnish and Install Class 50 RipRap Pad	CY	4		
18	Furnish and Install Weep Holes	EA	90		
STREET					
19	Excavation	Cu yd	5485		
20	Embankment	Cu yd	100		
21	Furnish and Install Geo-textile Fabric				
	Slit Film Woven Geo-textile Fabric	Sq yd	7797		
22	Foundation Stabilization	Cu yd	50		
23	Furnish and Install Aggregate Base				
23a	1 1/2"-0 Base Course	Cu yd	3339		
23b	3/4"-0 Leveling Course	Cu yd	350		
24	Furnish and Install Curb and Gutter	L.F.	3711		
25	Furnish and Install 3-1/2" Conc. Sidewalks				
	(includes 3/4" minus base rock)	sq. ft.	8901		
26	Furnish and Install 5-1/2" Conc. Driveways				
	(includes 3/4" minus base rock)	sq. ft.	7195		

BID ITEMS

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
27	Furnish and Install AC Driveways	Ton	10		
	includes 3/4"-0 base rock				
28	Furnish and Install Curb Ramps	EA	31		
29	Saw Cut existing A.C. and Concrete	L.F.	6000		
30	Adjust Valves and Meter Boxes to Grade	EA	56		
31	Furnish and Install Level 3, 1/2"	ton	2307		
	Dense Graded Warm Mix AC				
32	Furnish and Install Shoulder Rock	ton	131		
33	Grind existing street sections in place	Sq Yd	2250		
	and level				
STRIPING AND SIGNING AND LIGHTING					
34	Furnish and Install New Street Sign				
34a	"NW Garibaldi St"	EA	5		
34b	"NW Ebberts Ave"	EA	1		
34c	"NW Dennis Ave"	EA	2		
34d	"NW Connell Ave"	EA	5		
34e	"NW Forest St"	EA	2		
34f	"NW Darnielle St"	EA	1		
34g	R2-1 30" x 30" "Speed Limit 20"	EA	2		
34h	R2-1 30" x 30" "Speed Limit 25"	EA	1		
35	Permanently Reinstall Existing Sign				
35a	R1-1 30" x 30" "Stop"	EA	8		
35b	S1-1 36" x 36" "School Crossing Assembly"	EA	4		

BID ITEMS

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
35c	W16-7P 26" x 12" "Diagonal Arrow"	EA	4		
35d	OBW 1-10 30" x 30" "Dead End"	EA	1		
35e	"School"	EA	2		
35f	"Fines Higher"	EA	1		
35g	"When Flashing"	EA	2		
36	Furnish and Install 2" Breakaway Sign Support	EA	20		
37	Furnish and Install Cold Tape Inlaid Striping				
37a	12 inch Stop Bar	LF	74		
37b	8 inch Bike Lane Line	LF	1267		
37c	4 inch Yellow Stripe	LF	240		
37d	Bicycle Lane Marking	EA	2		
37e	High Visibility Crosswalk	EA	2		
37f	Crosswalk	EA	2		
38	Street Lighting	LS	all	\$ 150,000.00	\$150,000.00
RESTORATION					
39	Relocate Fire Hydrant out of sidewalk	EA	3		
40	Furnish and Install Locking Mailbox				
40a	8-Parcel	EA	3		
40b	16-Parcel	EA	1		
40c	Reinstall existing 12-Parcel	EA	1		
41	Cleanup and Restoration of Existing				
	Landscaping	L.S.	all		
42	Install 2.5" Caliper Street Tree				
42a	Amur Maple	EA	11		

BID ITEMS

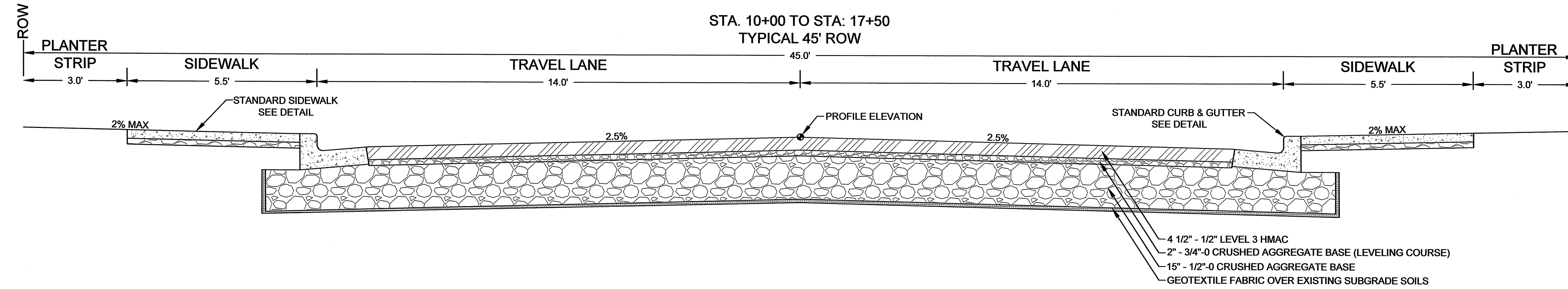
NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
42b	Japanese Snowbell	EA	10		
42c	Golden Desert Ash	EA	18		
42d	Paper Bark Maple	EA	12		
43	Furnish and Install Root Barriers	LF	765		
44	Restoration of Underground Irrigation	T&M		\$ 2,000.00	\$2,000.00
	Systems				
WATER QUALITY FACILITY					
1	Move-in	L.S.	all		
2	Traffic Control	L.S.	All		
3	Erosion Control	L.S.	All		
4	Excavation	CY	400		
5	Clearing and Grubbing including brush				
	and tree removal	L.S.	all		
6	Furnish and install channel matting	SY	225		
7	Furnish and Install 60" Manhole				
	With Class B Backfill	EA	2		
8	Remove 48" Manhole and replace with 72" Manhole				
	With Class B Backfill	EA	1		
10	Furnish and install 36" Class 3 Concrete Pipe				
	With Class B Backfill	LF	130		
11	Furnish and Install 7-1/2" Conc. Driveway				

BID ITEMS

NO.	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT
	(includes 3/4" minus base rock)	sq. ft.	450		
14	Furnish and Install stainless	LS	all		
	canal gates in Manhole				
15	Furnish and Install Ultra Block Retaining Wall	Sq. Ft.	1200		
16	Furnish and Install 138 LF 4' chain link fence	L.S.	all		
	with 12' gate				
17	Furnish and Install concrete apron and grate	L.S.	all		
	Flush over concrete pipe				
18	Furnish and Install Class 200 Riprap Pad	CY	7		
19	Swale and Wetland Planting	L.S.	all		
20	Furnish and Install concrete flow spreaders	LF	48		
			TOTAL		
METHOD OF AWARD: Award shall be made to the lowest responsive and responsible bidder for the					
total of the items selected for award. Award shall be make to one bidder and one bidder only. The City					
reserves the right to withdraw any item(s) from award if it is in the best interest of the City to do so.					

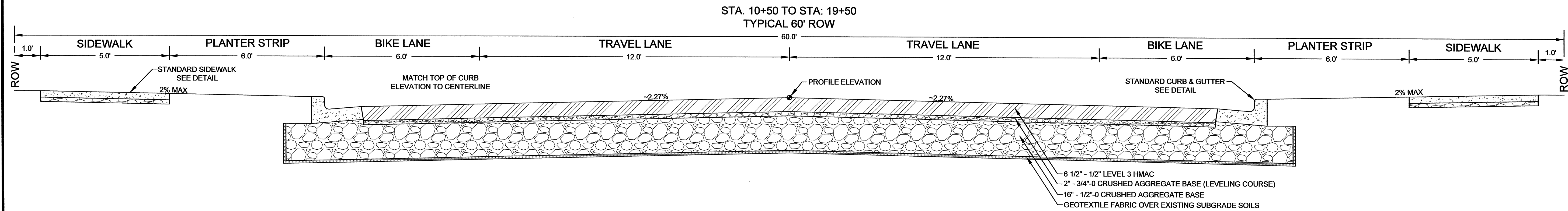
NW GARIBALDI ST TYPICAL SECTION

NTS



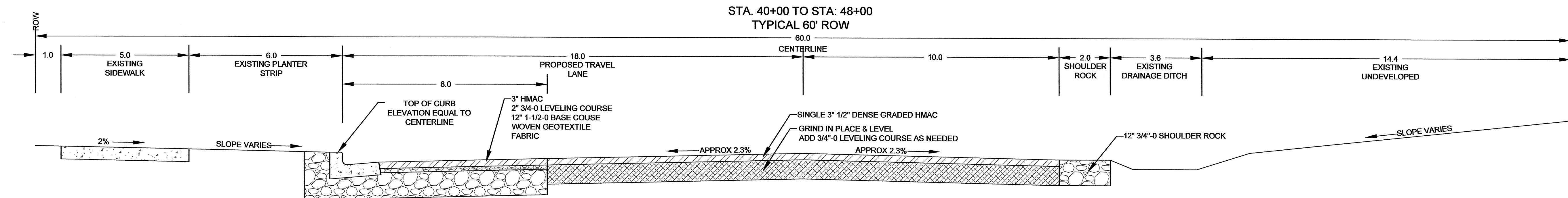
NW CONNELL AVE TYPICAL SECTION

NTS



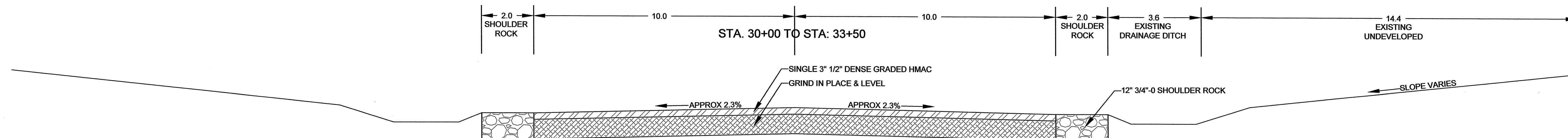
NW GARIBALDI ST - EAST OF NW CONNELL AVE TYPICAL SECTION

NTS

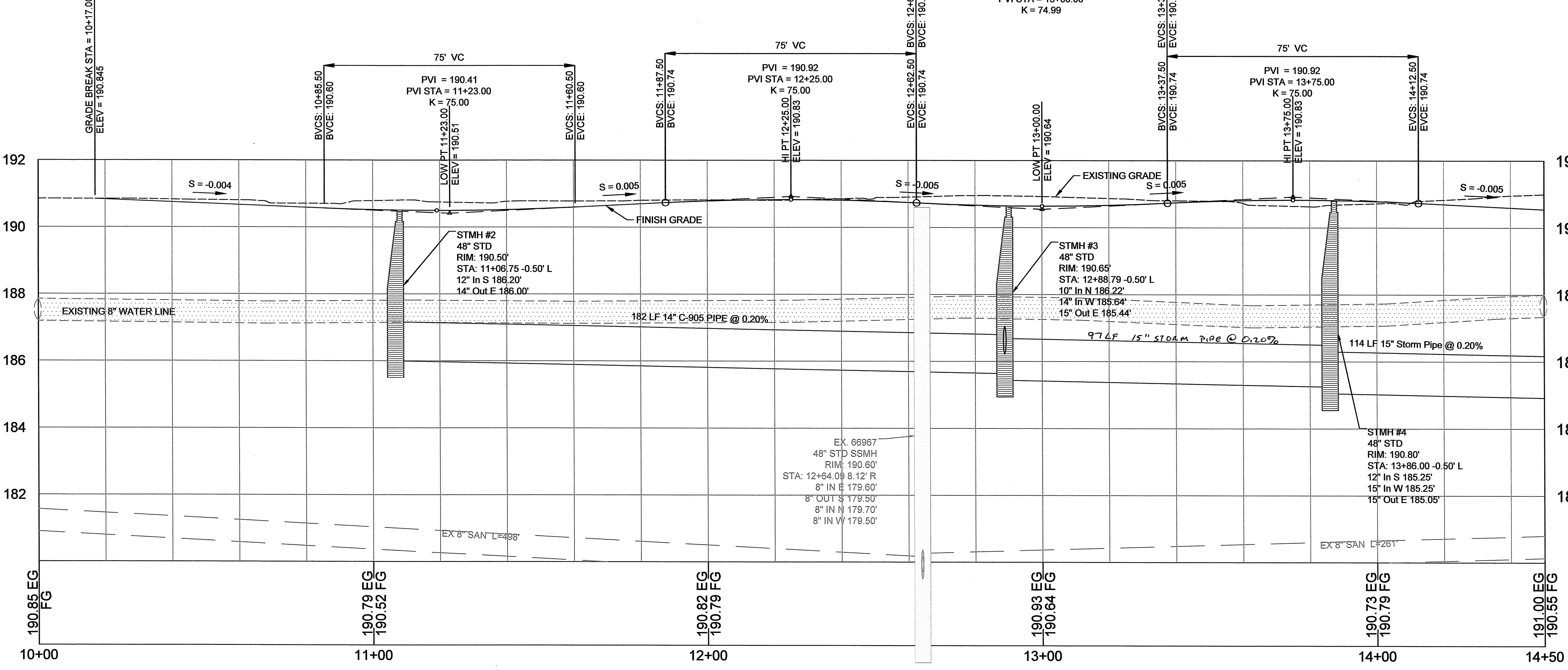
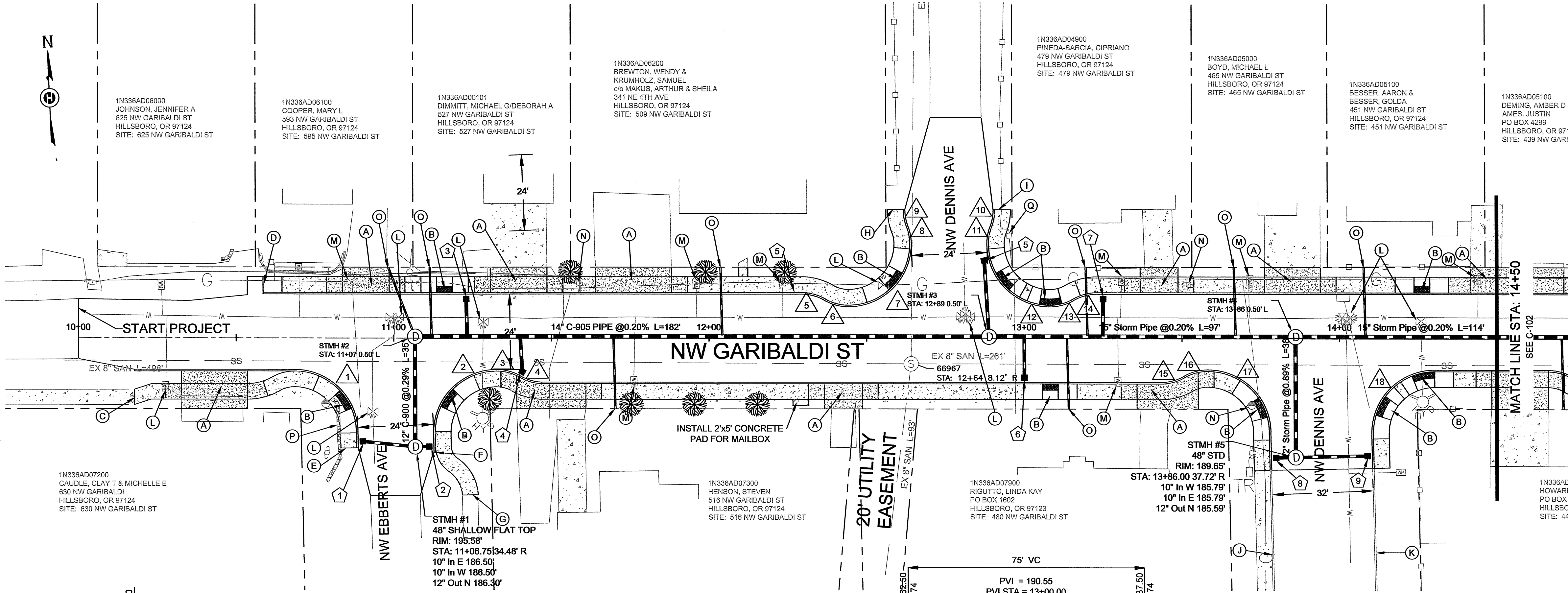


NW ADAMS ST TYPICAL SECTION

NOTE: STREET CENTERLINE NOT CENTER OF ROW



<p>SHEET NO. C-100</p> <p>DRAWING NO. 11</p> <p>OF 32</p> <p>PROJECT NO. 10485</p>	<p>NW CONNELL AVE & NW GARIBALDI ST IMPROVEMENTS</p>		<p>FILE NAME: STREET DETAILS.DWG</p>
	<p>TYPICAL SECTIONS</p>		
	<p>NTS</p>		
<p>Hillsboro OREGON</p> <p>PHONE 503.881.6146 FAX 503.881.6245 150 E MAIN ST, 4TH FLOOR, HILLSBORO, OR 97123-4089</p>			<p>EXPIRES: 6/30/2015</p>
<p>REGISTERED PROFESSIONAL ENGINEER No. 62959 JANUARY 2015 MICHAEL</p>			
<p>SCALE: PLAN 1"=40'-0" VERT. 1"=10'-0" PROFILE 1"=10'-0" DRAWN: CW CHECKED: DG BY: APPD</p>			
<p>6/27/15 ADD #2 corrected typos.</p>			<p>REVISION</p>
<p>#</p>			<p>DATE</p>



CONSTRUCTION NOTES

- 1. INSTALL CG-2
RIM: 189.46'
STA: 10+90.11 32.79' R
10" IE OUT E = 186.94'
INSTALL 17LF 10" C-900 SLOPE = 0.0263
- 2. INSTALL CG-2
RIM: 189.46'
STA: 11+11.14 34.40' R
10" IE OUT W = 186.94'
INSTALL 4LF 10" SLOPE = 0.1002 C-900
- 3. INSTALL CG-2
RIM: 190.07'
STA: 11+23.00 -12.50' L
10" IE OUT S = 187.55'
INSTALL 12LF 10" C-900 SLOPE = 0.1360
- 4. INSTALL CG-2
RIM: 191.07'
STA: 11+40.76 10.68' R
10" IE OUT N = 188.55'
INSTALL 11LF 10" SLOPE = 0.2407 C-900
- 5. INSTALL CG-2
RIM: 190.14'
STA: 12+87.34 -24.64' L
10" IE OUT S = 187.62'
INSTALL 24LF 10" SLOPE = 0.0579 C-900
- 6. INSTALL CG-2
RIM: 190.20'
STA: 13+00.00 12.50' R
10" IE OUT N = 187.68'
INSTALL 13LF 10" SLOPE = 0.2120 C-900
- 7. INSTALL CG-2
RIM: 190.24'
STA: 13+25.00 -12.50' L
10" IE OUT S = 187.72'
INSTALL 12LF 10" SLOPE = 0.2497 C-900
- 8. INSTALL CG-2
RIM: 189.38'
STA: 13+79.76 37.85' R
10" IE OUT E = 186.86'
INSTALL 6LF 10" SLOPE = 0.1716 C-900
- 9. INSTALL CG-2
RIM: 189.38'
STA: 14+08.79 37.26' R
10" IE OUT W = 186.86'
INSTALL 23LF 10" SLOPE = 0.0469 C-900

- (A) INSTALL STANDARD DRIVEWAY
- (B) INSTALL STANDARD CURB RAMP
- (C) BEGIN CURB AND GUTTER
STA: 10+17.73 10.00' R
INSTALL 5' SIDEWALK
MATCH EXISTING SIDEWALK
- (D) BEGIN CURB AND GUTTER
STA: 10+58.58 -14.00' L
INSTALL 5' SIDEWALK
INSTALL 5' ASPHALT RAMP
- (E) END CURB AND GUTTER
STA: 10+88.65 -34.82' R
TOC ELEV = 189.96
- (F) BEGIN CURB AND GUTTER
STA: 11+12.68 36.37' R
TOC ELEV = 189.96
- (G) BEGIN 5' SIDEWALK
STA: 11+21.62 49.77' R
MATCH EXISTING
- (H) END CURB & GUTTER
STA: 12+62.16 -40.77' L
END 5' SIDEWALK
INSTALL 5' ASPHALT RAMP
- (I) BEGIN CURB & GUTTER
STA: 12+90.16 -40.77' L
BEGIN 5' SIDEWALK
INSTALL 5' ASPHALT RAMP
- (J) END CURB & GUTTER
STA: 13+78.89 68.55' R
END 5' SIDEWALK
TOC ELEV = 7 MATCH EXISTING
- (K) BEGIN CURB & GUTTER
STA: 14+10.91 67.96' R
BEGIN 5' SIDEWALK
TOC ELEV = 189.95 MATCH EXISTING
- (L) MOVE OR ADJUST VALVE TO GRADE
- (M) MOVE OR ADJUST METER TO GRADE
- (N) UTILITY POLE TO BE RELOCATED BY OTHERS
- (O) INSTALL 6" STORM LATERAL TO PROPERTY.
FIELD FIT FOR BEST CONNECTION.
- (P) REMOVE AND REBUILT WALL ON OWNERS
PROPERTY. COORDINATE WITH OWNER.
- (Q) REMOVE AND REBUILT FENCE ON OWNERS
PROPERTY. COORDINATE WITH OWNER.

SHEET NO.
C-101

DRAWING NO.
14

OF
32

PROJECT NO.
10485

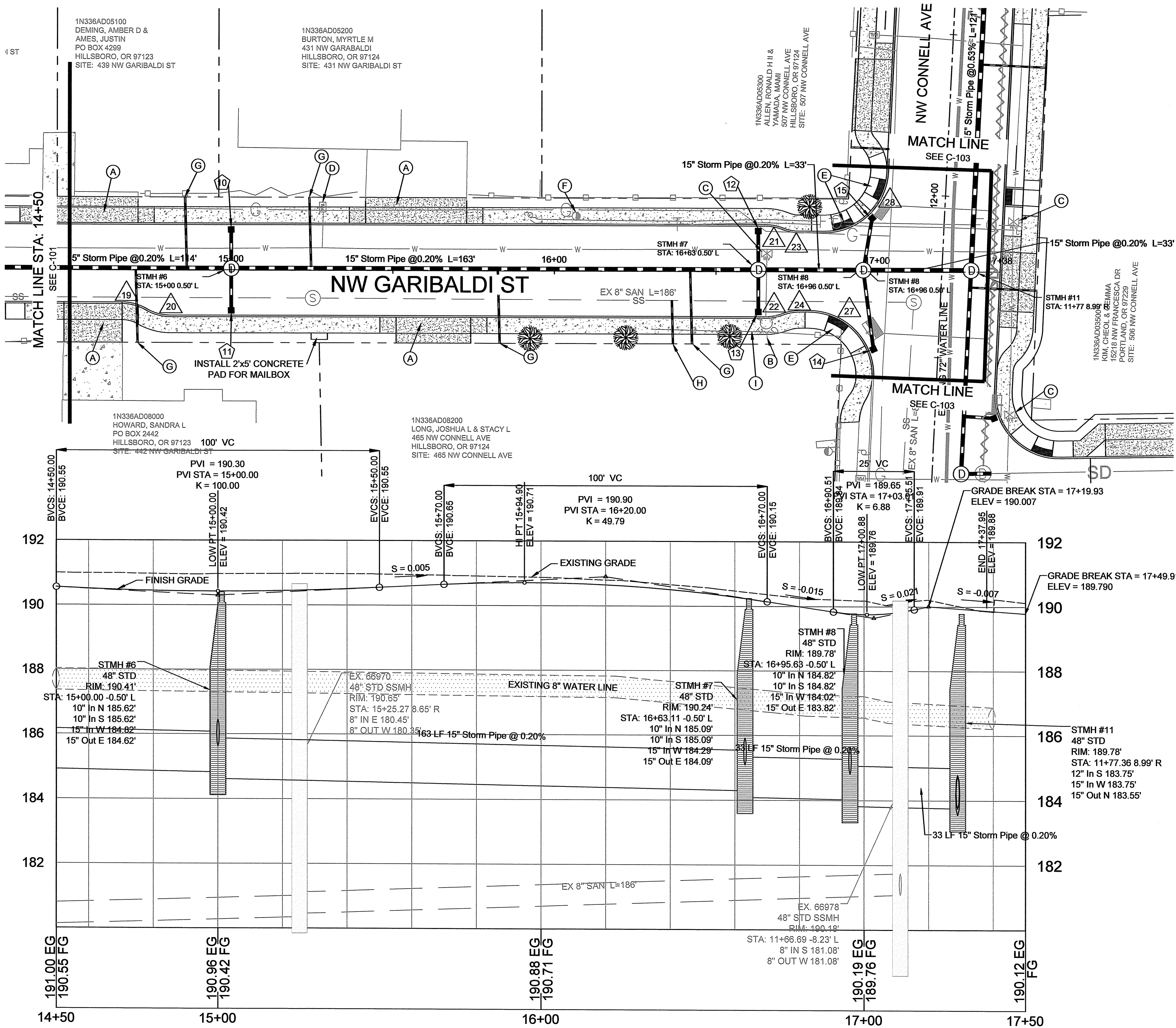
NW CONNELL AVE & NW
GARIBALDI ST IMPROVEMENTS

NW GARIBALDI ST PLAN &
PROFILE STA: 10+00 TO 14+50

Hillsboro
OREGON

REGISTERED PROFESSIONAL ENGINEER
15502595
MICHAEL J. HILL
EXPIRES: 6/30/2015

SCALE	PLAN 1"=20'	HORIZ 1"=20'	VERT. 1"=2'	PROFILE 1"=2'	DRAWN CW	CHECKED DG	
DATE	06/17/2015	DATE	06/17/2015	DATE	06/17/2015	DATE	06/17/2015
BY	APPD	BY	APPD	BY	APPD	BY	APPD
REVISION		REVISION		REVISION		REVISION	



CONSTRUCTION NOTES

- (A) INSTALL STANDARD DRIVEWAY
 - (B) RELOCATE FIRE HYDRANT
 - (C) MOVE OR ADJUST VALVE TO GRADE
 - (D) MOVE OR ADJUST METER TO GRADE
 - (E) INSTALL STANDARD CURB RAMP
 - (F) UTILITY POLE TO BE RELOCATED BY OTHERS
 - (G) INSTALL 6" STORM LATERAL TO PROPERTY. FIELD FIT FOR BEST CONNECTION.
 - (H) INSTALL 6" SANITARY LATERAL TO PROPERTY. FIELD FIT FOR BEST CONNECTION.
 - (I) REMOVE AND REBUILT FENCE ON OWNERS PROPERTY. COORDINATE WITH OWNER.
- 10 INSTALL CG-2
RIM: 189.98'
STA: 15+00.00 -12.50' L
10" IE OUT S = 187.46'
INSTALL 12LF 10" SLOPE = 0.1533 C-900
- 11 INSTALL CG-2
RIM: 189.98'
STA: 15+00.00 12.50' R
10" IE OUT N = 187.46'
INSTALL 13LF 10" SLOPE = 0.1415 C-900
- 12 INSTALL CG-2
RIM: 189.78'
STA: 16+63.13 -12.50' L
10" IE OUT S = 187.26'
INSTALL 12LF 10" SLOPE = 0.1808 C-900
- 13 INSTALL CG-2
RIM: 189.78'
STA: 16+63.13 12.50' R
10" IE OUT N = 187.26'
INSTALL 13LF 10" SLOPE = 0.1669 C-900
- 14 INSTALL CG-2
RIM: 189.45'
STA: 11+51.51 -19.99' L
10" IE OUT N = 186.93'
INSTALL 25LF 10" SLOPE = 0.0857 C-900
- 15 INSTALL CG-2
RIM: 189.45'
STA: 11+91.91 -22.31' L
10" IE OUT S = 186.93'
INSTALL 16LF 10" SLOPE = 0.1296 C-900

CURB RETURN DATA TABLE								
	PC	Δ/4	Δ/2	Δ/4	PT	RADIUS	LENGTH	DELTA
19	14+66.23 +10.00 190.64		14+70.10 +10.51 190.62		14+73.71 +12.00 190.57	15	7.83	29°55'35"
20	14+73.71 +12.00 190.57		14+77.32 +13.49 190.53		14+81.19 +14.00 190.51	15	7.83	29°55'35"
21	16+65.13 -14.00 190.28		16+67.87 -13.75 190.22		16+70.51 -13.00 190.17	15	5.51	21°02'22"
22	16+65.13 +14.00 190.28		16+67.87 +13.75 190.22		16+70.51 +13.00 190.17	15	5.51	21°02'22"
23	16+70.51 -13.00 190.17		16+73.16 -12.25 190.12		16+75.90 -12.00 190.07	15	5.51	21°02'22"
24	16+70.51 +13.00 190.17		16+73.16 +12.25 190.12		16+75.90 +12.00 190.07	15	5.51	21°02'22"
27	11+43.59 -19.49 190.17	11+50.43 -21.15 189.95	11+56.99 -25.75 189.99	11+61.22 -32.55 190.03	11+62.44 -40.47 190.07	20	32.27	92°26'07"
28	11+86.64 -37.02 190.03	11+88.43 -29.67 189.99	11+92.82 -23.52 189.95	11+99.18 -19.43 189.90	12+06.61 -18.00 189.86	20	30.4400	87°11'52"

SHEET NO.
C-102

DRAWING NO.
16 OF **32**

PROJECT NO.
10485

FILE NAME: STREET.DWG

DATE: 9/27/2015 8:01 AM

NW CONNELL AVE & NW GARIBALDI ST IMPROVEMENTS

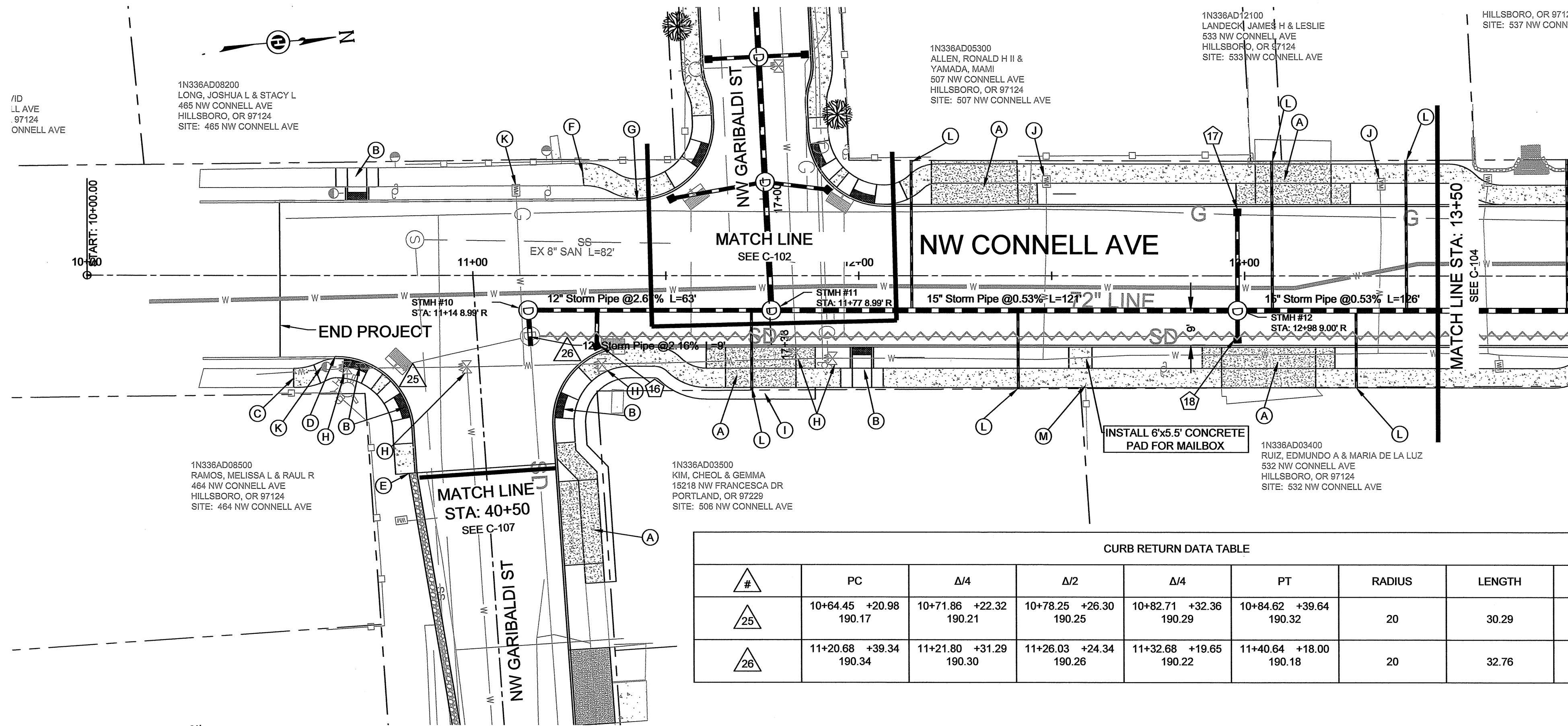
NW GARIBALDI ST PLAN & PROFILE STA: 14+50 TO 16+75

REGISTERED PROFESSIONAL ENGINEER
STATE OF OREGON
MICHELLE J. WILSON
E000000001

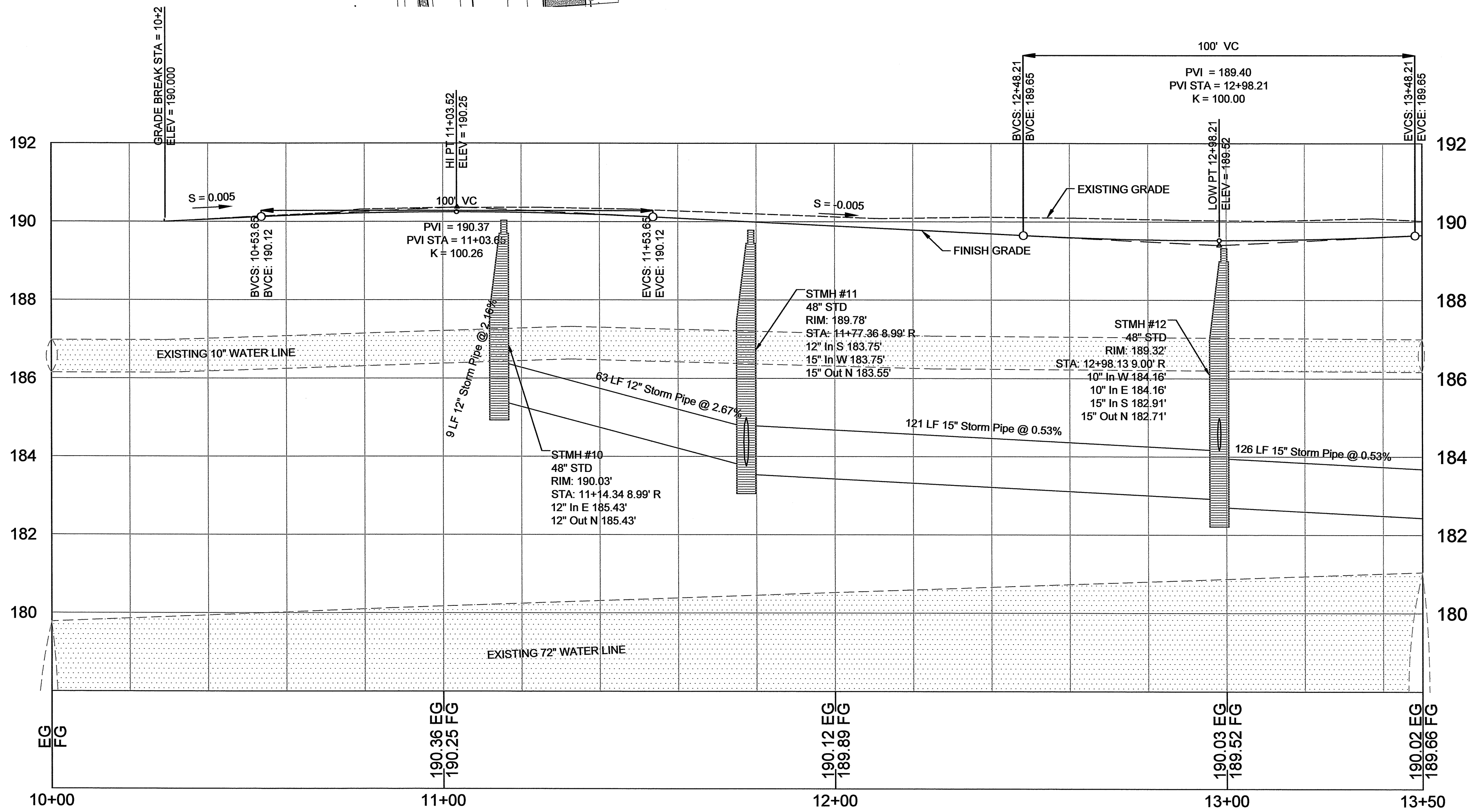
PHONE: 503.881.6146 | FAX: 503.881.6245
150 E MAIN ST, 4TH FLOOR, HILLSBORO, OR 97123-4089
EXPIRES: 6/30/2015

SCALE	DATE	BY	APP'D
PLAN 1"=20'			
PROFILE 1"=20'			
DRAWN: CW			
CHECKED: DG			

REVISION	DATE



CURB RETURN DATA TABLE									
#	PC	Δ/4	Δ/2	Δ/4	PT	RADIUS	LENGTH	DELTA	
25	10+64.45 190.17	10+71.86 190.21	10+78.25 190.25	10+82.71 190.29	10+84.62 190.32	20	30.29	86°46'27"	
26	11+20.68 190.34	11+21.80 190.30	11+26.03 190.26	11+32.68 190.22	11+40.64 190.18	20	32.76	93°50'43"	



- CONSTRUCTION NOTES**
- 16 INSTALL CG-2
RIM: 189.55'
STA: 11+32.08 18.28' R
10" IE OUT W = 187.03'
INSTALL 10LF 10" SLOPE = 0.5395 C-900
 - 17 INSTALL CG-2
RIM: 189.15'
STA: 12+98.13 -16.50' L
10" IE OUT E = 184.69'
INSTALL 26LF 10" SLOPE = 0.0208 C-900
 - 18 INSTALL CG-2
RIM: 189.15'
STA: 12+98.12 16.50' R
10" IE OUT W = 184.69'
INSTALL 8LF 10" SLOPE = 0.0707 C-900

- (A) INSTALL STANDARD DRIVEWAY
- (B) INSTALL STANDARD CURB RAMP
- (C) BEGIN 5' SIDEWALK
STA: 10+53.51 24.07' R
MATCH EXISTING
- (D) BEGIN CURB & GUTTER
STA: 10+64.48 20.98' R
TOC = 189.76 MATCH EXISTING
- (E) END CURB & GUTTER
STA: 10+85.28 49.42' R
END 5' SIDEWALK
- (F) BEGIN SIDEWALK
STA: 11+28.83 -23.32' L
MATCH EXISTING
BEGIN 6' SIDEWALK
- (G) BEGIN CURB & GUTTER
STA: 11+42.59 -19.49' L
TOC = 190.29 MATCH EXISTING
- (H) MOVE OR ADJUST VALVE TO GRADE
- (I) INSTALL AC TRANSITION BETWEEN
SIDEWALK AND PARKING AREA
- (J) MOVE OR ADJUST METER TO GRADE
- (K) UTILITY POLE TO BE RELOCATED BY OTHERS
- (L) INSTALL 6" STORM LATERAL TO PROPERTY.
FIELD FIT FOR BEST CONNECTION.
- (M) REMOVE AND REBUILT FENCE ON OWNERS
PROPERTY. COORDINATE WITH OWNER.

SHEET NO. **C-103**

DRAWING NO. **17** OF **32**

PROJECT NO. **10485**

FILE NAME: STREET.DWG

Hillsboro
OREGON

PHONE: 503.681.6146 | FAX: 503.681.6245
150 E MAIN ST 14TH FLOOR | HILLSBORO, OR 97123-4088

EXPIRES: 6/30/2015

NW CONNELL AVE & NW
GARIBALDI ST IMPROVEMENTS

NW CONNELL AVE PLAN &
PROFILE 10+00 TO 13+50

SCALE: 1"=20'

DATE: 6/21/2015

BY: [Signature]

CHECKED: [Signature]

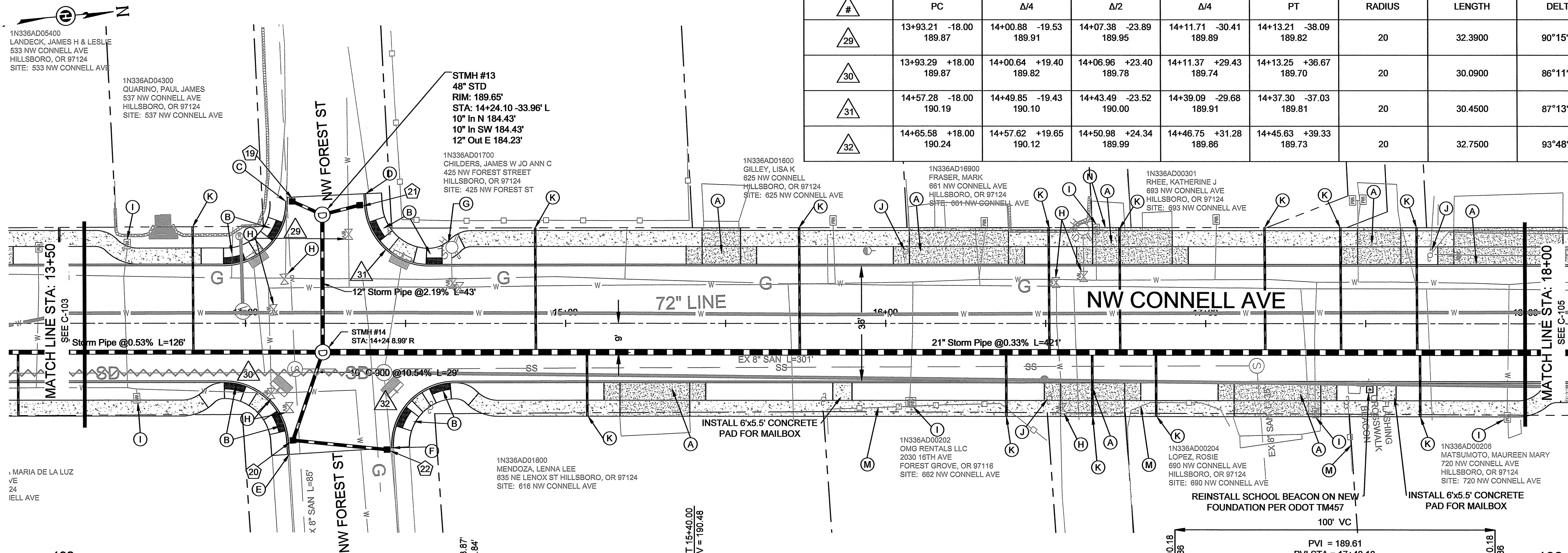
DESIGNED: [Signature]

DRAWN: [Signature]

IN CHARGE: [Signature]

REVISION

NO.	DATE	REVISION
1	6/21/2015	ISSUED FOR PERMIT

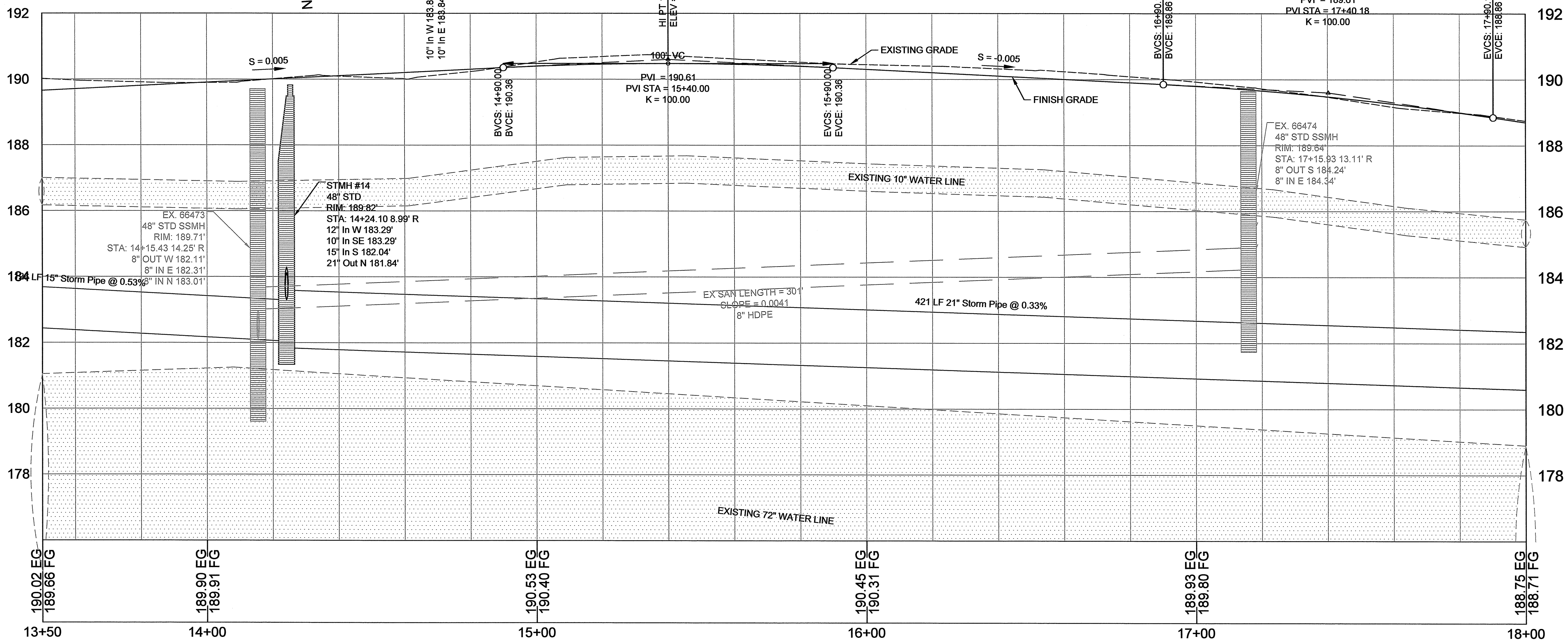


CURB RETURN DATA TABLE								
#	PC	Δ/4	Δ/2	Δ/4	PT	RADIUS	LENGTH	DELTA
29	13+93.21 189.87	14+00.88 189.91	14+07.38 189.95	14+11.71 189.89	14+13.21 189.82	20	32.3900	90°15'30"
30	13+93.29 189.87	14+00.64 189.82	14+06.96 189.74	14+11.37 189.74	14+13.25 189.70	20	30.0900	86°11'19"
31	14+57.28 190.19	14+49.85 190.10	14+43.49 190.00	14+39.09 189.91	14+37.30 189.81	20	30.4500	87°13'22"
32	14+65.58 190.24	14+57.62 190.12	14+50.98 189.99	14+46.75 189.86	14+45.63 189.73	20	32.7500	93°48'41"

CONSTRUCTION NOTES

1. CURB RETURN SEE SHEET C-104A
- 19) INSTALL CG-2
RIM: 189.32'
STA: 14+14.71 -38.10' L
10" IE OUT NE = 186.80'
INSTALL 11LF 10" SLOPE = 0.2309 C-900
- 20) INSTALL CG-2
RIM: 189.20'
STA: 14+14.75 36.57' R
10" IE IN N = 186.56'
10" IE OUT NW = 186.36'
INSTALL 30LF 10" SLOPE = 0.0050 C-900
- 21) INSTALL CG-2
RIM: 189.31'
STA: 14+35.81 -36.96' L
10" IE OUT S = 186.79'
INSTALL 12LF 10" SLOPE = 0.1952 C-900
- 22) INSTALL CG-2
RIM: 189.23'
STA: 14+44.13 39.43' R
10" IE OUT S = 186.71'
INSTALL 29LF 10" SLOPE = 0.1054 C-900

- A) INSTALL STANDARD DRIVEWAY
- B) INSTALL STANDARD CURB RAMP
- C) END CURB & GUTTER
STA: 14+31.21 -38.09' L
END 6' SIDEWALK
- D) START CURB & GUTTER
STA: 14+37.13 -40.53' L
START 6' SIDEWALK
- E) END CURB & GUTTER
STA: 14+13.54 40.99' R
TOC = 189.78 MATCH EXISTING
END 5' SIDEWALK
- F) START CURB & GUTTER
STA: 14+45.60 38.86' R
TOC = 189.66 MATCH EXISTING
START 6' SIDEWALK
- G) RELOCATE FIRE HYDRANT
- H) MOVE OR ADJUST VALVE TO GRADE
- I) MOVE OR ADJUST METER TO GRADE
- J) UTILITY POLE TO BE RELOCATED BY OTHERS
- K) INSTALL 6" STORM LATERAL TO PROPERTY.
FIELD FIT FOR BEST CONNECTION.
- L) REMOVE AND REBUILD WALL ON OWNERS
PROPERTY. COORDINATE WITH OWNER.
- M) REMOVE AND REBUILD FENCE ON OWNERS
PROPERTY. COORDINATE WITH OWNER.



SHEET NO.
C-104

DRAWING NO.
18

OF
32

PROJECT NO.
10485

NW CONNELL AVE & NW
GARIBALDI ST IMPROVEMENTS

NW CONNELL AVE PLAN &
PROFILE 13+50 TO 18+00

FILE NAME: STREET.DWG
PLOT DATE: 6/27/2015 8:01 AM

SCALE

PLAN
1"=20'

VERT.
1"=2'

PROFILE
1"=2'

DATE

BY

CHECKED

REVISION

6/27

CHANGED FIRE MATERIAL

ADD #2

ADD #3

ADD #4

ADD #5

ADD #6

ADD #7

ADD #8

ADD #9

ADD #10

ADD #11

ADD #12

ADD #13

ADD #14

ADD #15

ADD #16

ADD #17

ADD #18

ADD #19

ADD #20

ADD #21

ADD #22

ADD #23

ADD #24

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ADD #26

ADD #27

ADD #28

ADD #29

ADD #30

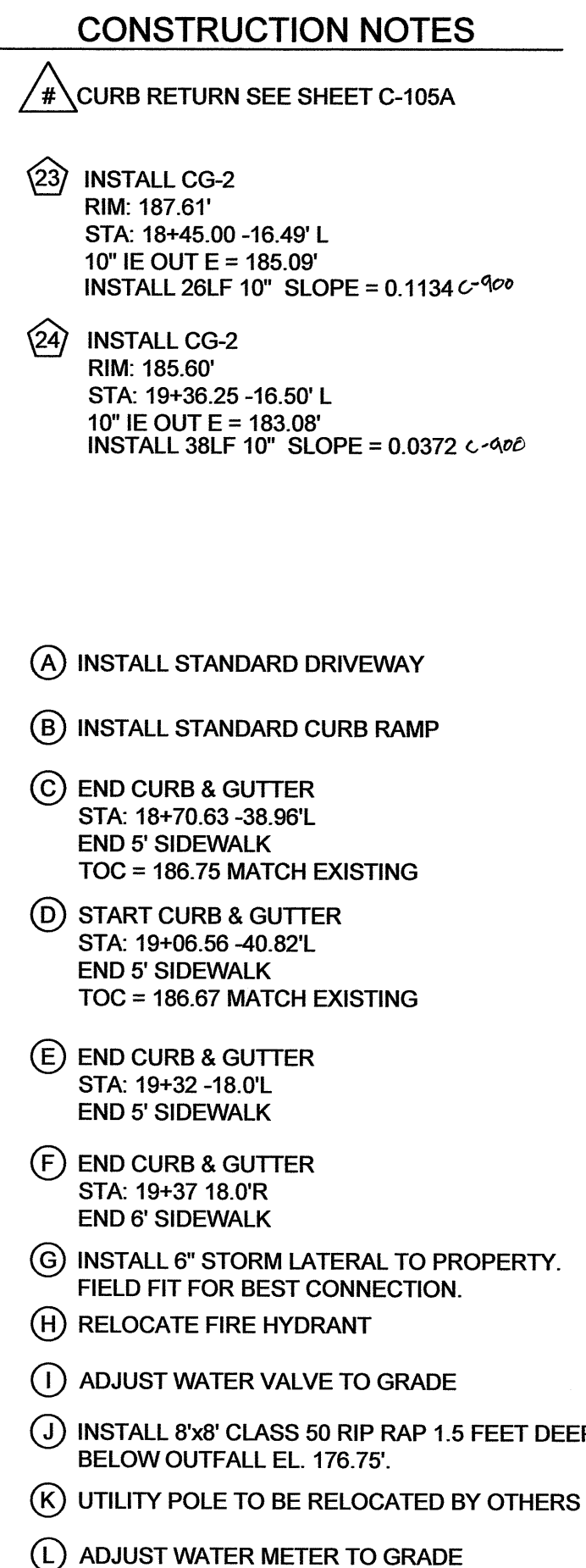
ADD #31

ADD #32

Hillsboro
OREGON

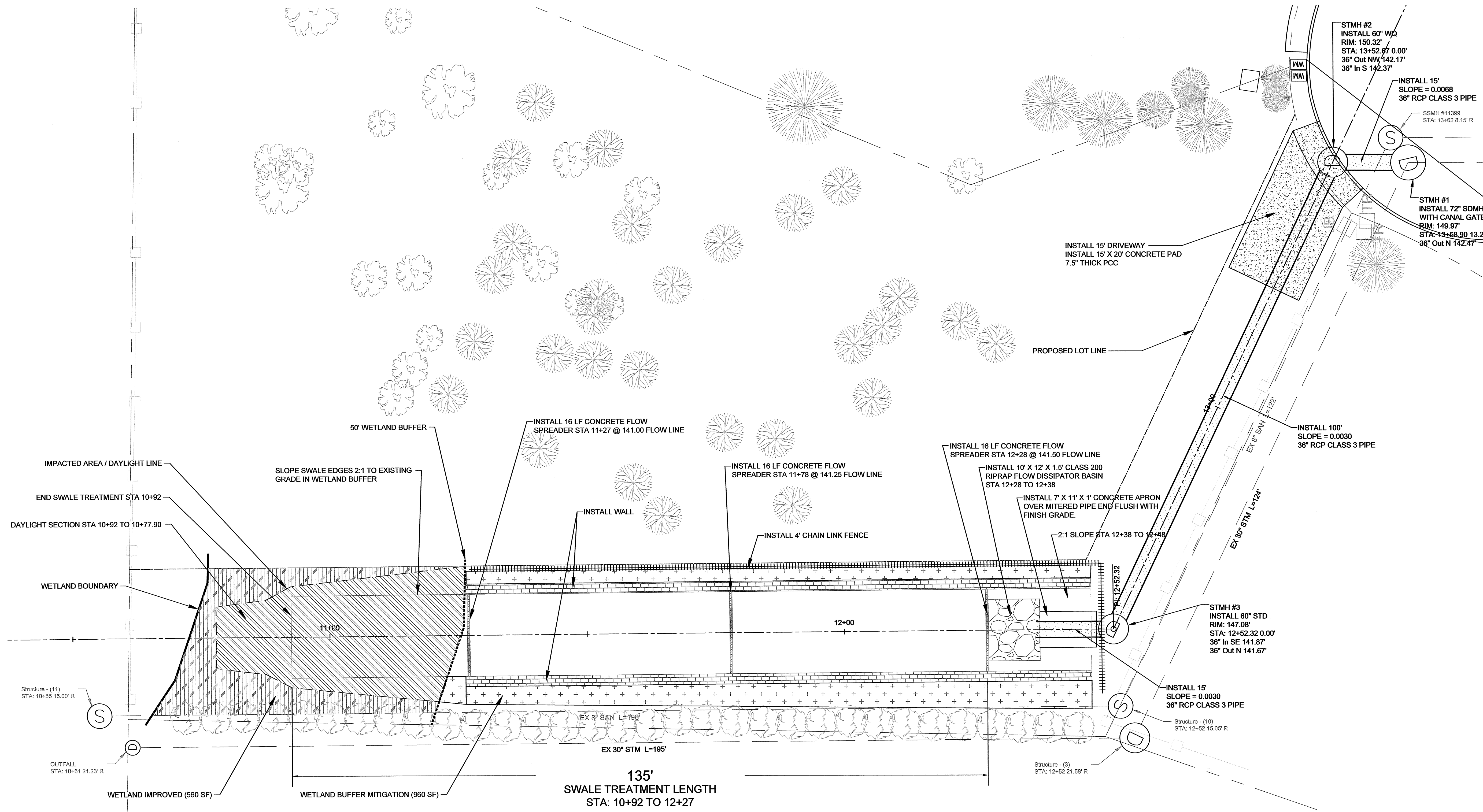
REGISTERED PROFESSIONAL ENGINEER
No. 15625
CLARENCE MICHAEL
JULY 1978
EXPIRES: 6/30/2015

PHONE: 503.881.6146 | FAX: 503.881.6545
150 E MAIN ST 14TH FLOOR HILLSBORO, OR 97123-4088



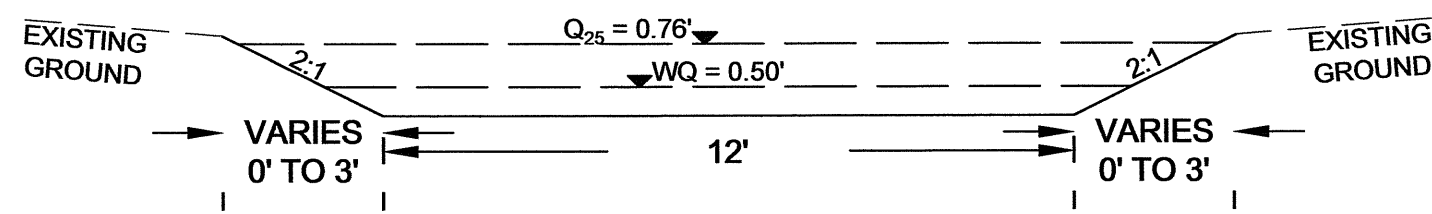
CURB RETURN DATA TABLE								
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33	18+50.65 -18.00 187.89	18+58.53 -19.62 186.81	18+65.13 -24.20 186.73	18+69.39 -31.02 186.66	18+70.63 -38.96 186.70	20	32.3800	92°45'07"
34	19+06.78 -37.04 186.72	19+08.51 -29.81 186.62	19+12.96 -23.52 186.52	19+19.32 -19.43 186.41	19+26.75 -18.00 186.31	20	30.4600	87°14'53"

[illegible]

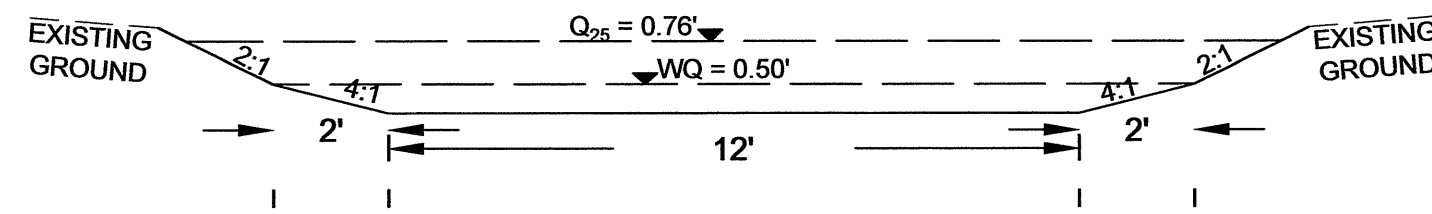


AREA OF IMPACT INSIDE WETLAND BUFFER: 960 SF

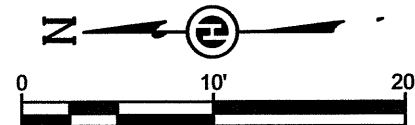
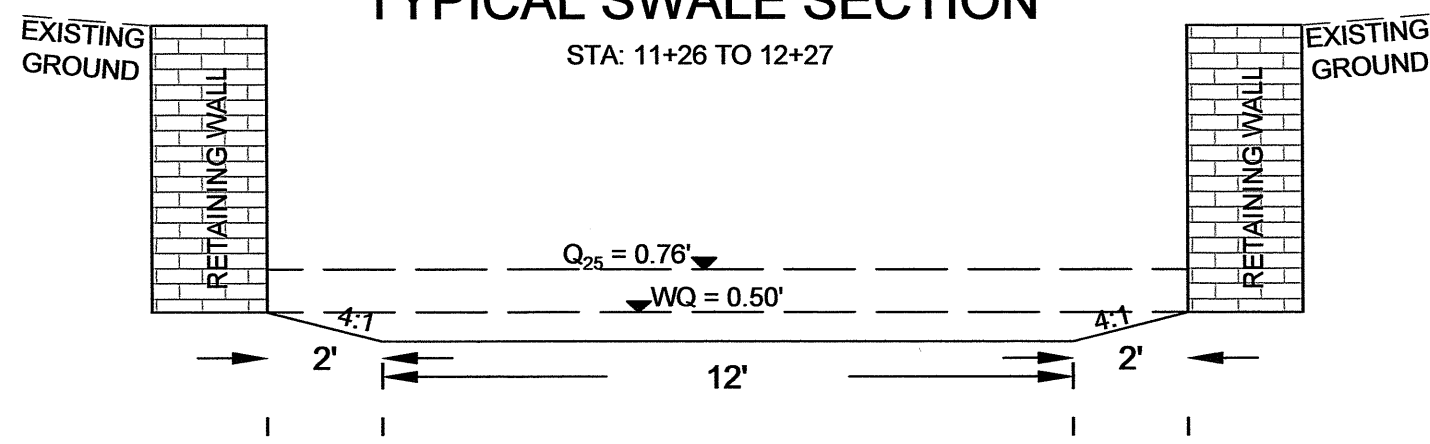
DAYLIGHT SECTION
STA: 10+77.90 TO 10+92



TYPICAL SWALE SECTION
STA: 10+92 TO 11+26



TYPICAL SWALE SECTION
STA: 11+26 TO 12+27



SHEET NO.
C-106

DRAWING NO.
21 OF 32

PROJECT NO.
10485

NW CONNELL AVE & NW
GARIBALDI ST IMPROVEMENTS

8TH AVE WATER QUALITY
FACILITY

Hillsboro
OREGON

PHONE: 503.681.6146 | FAX: 503.681.6245
150 E MAIN ST 14TH FLOOR HILLSBORO, OR 97123-4089

REGISTERED PROFESSIONAL ENGINEER
No. 62668
JULY 2012 TO JULY 2015
MICHAEL J. MICHEL

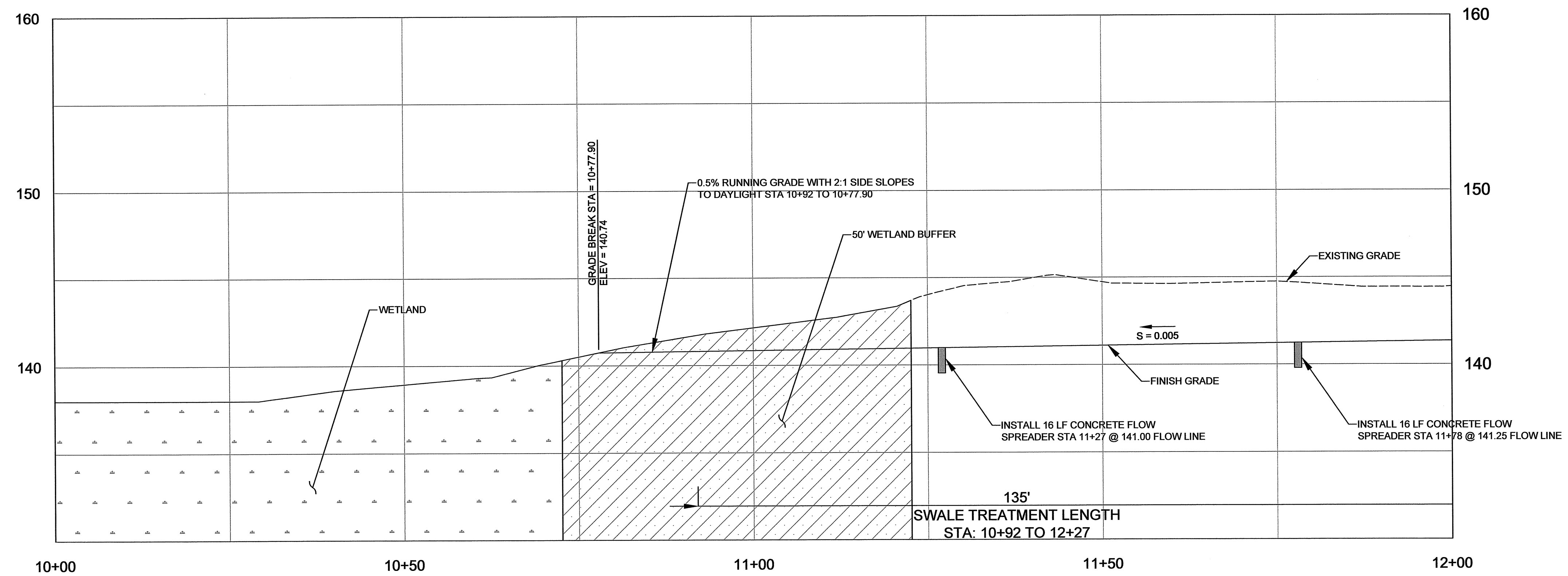
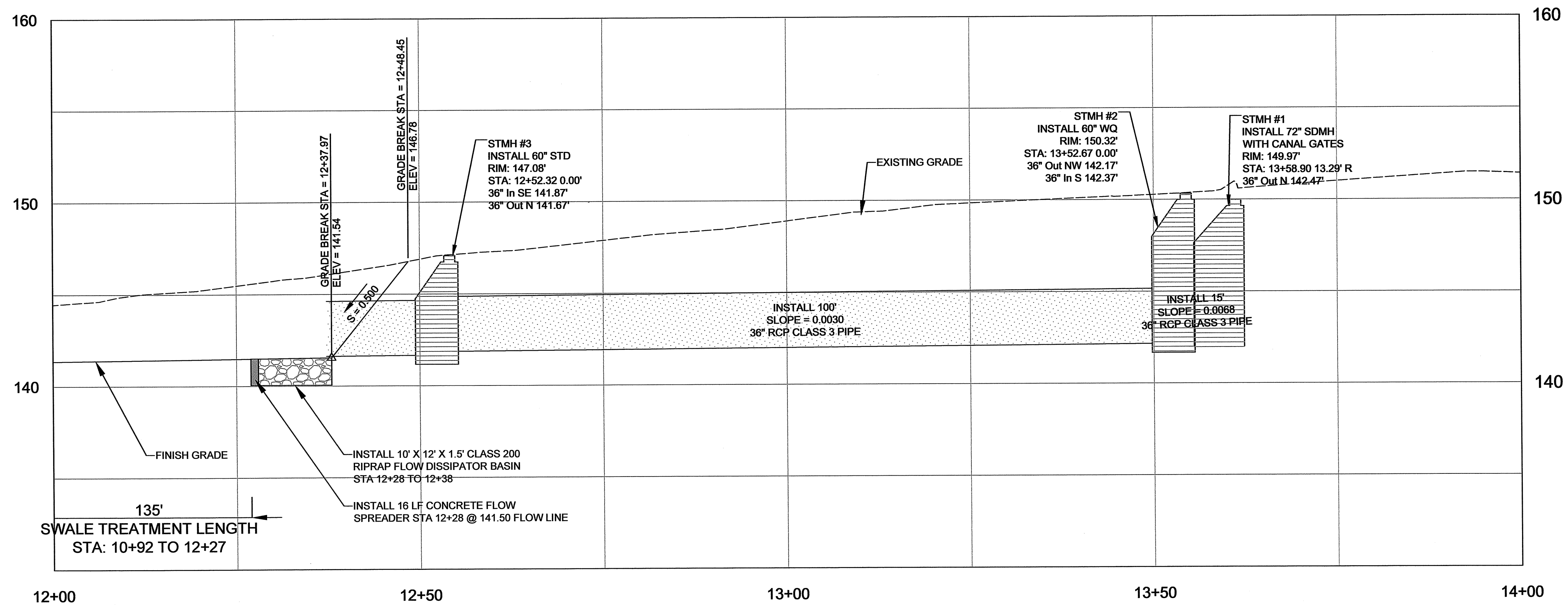
EXPIRES: 6/30/2015


SCALE	DATE	BY	APPD
PLAN 1"=10'			
PROFILE 1"=10'			
VERT.			
DRAWN			
CW			
CHECKED			
DG			

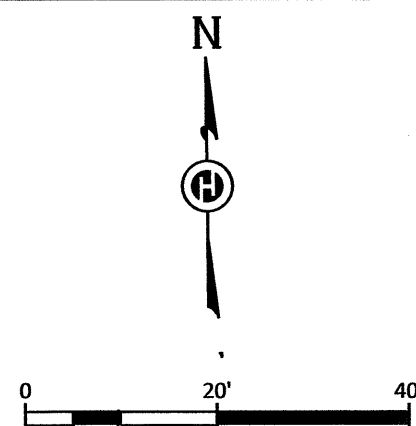
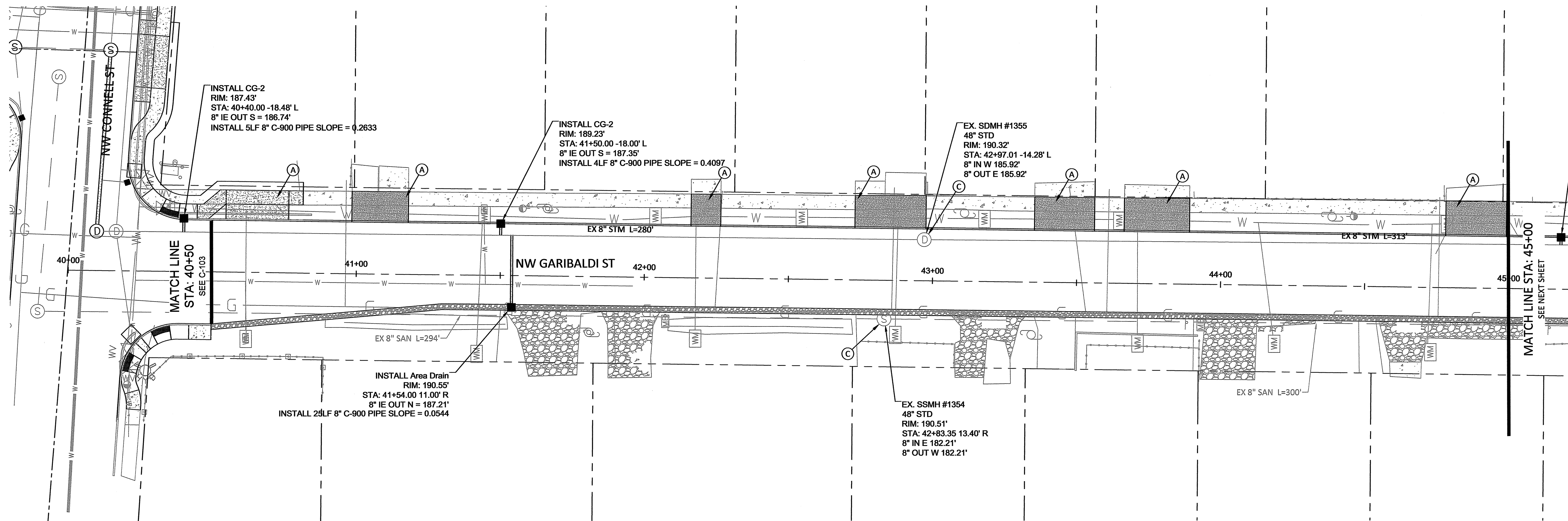
6/12/17 CHANGED PIPE MATERIAL
ADD. 4" L

REVISION

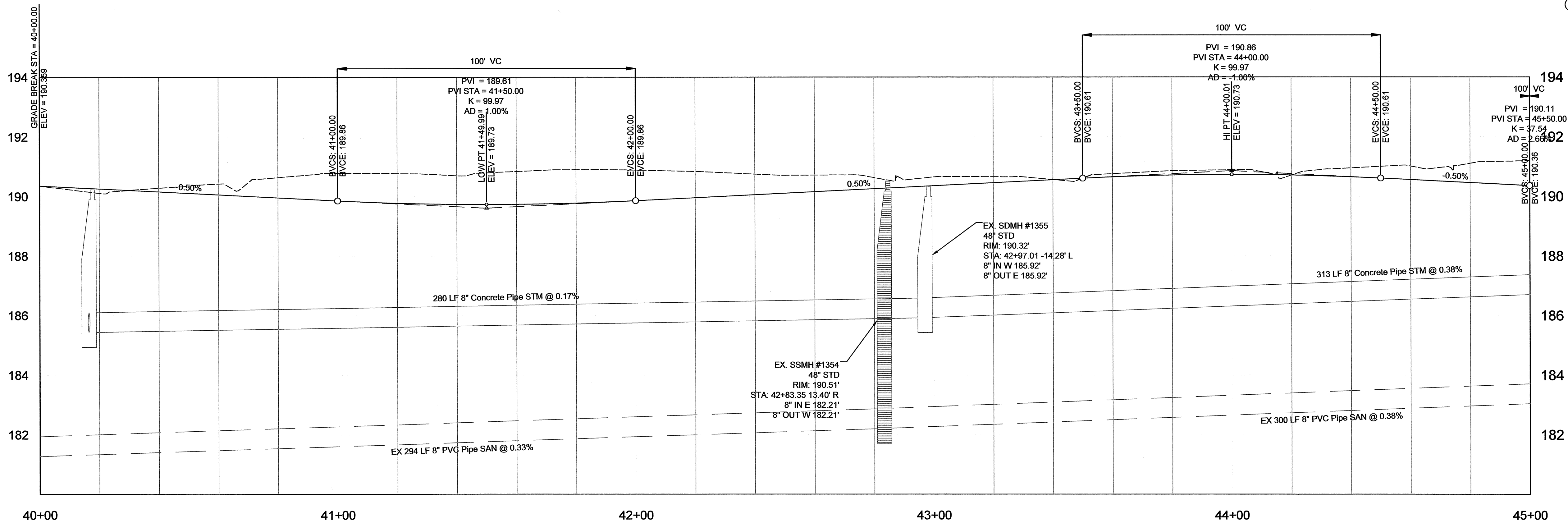
DATE



SHEET NO. C-106A		DRAWING NO. 22 OF 32		PROJECT NO. 10485	
NW CONNELL AVE & NW GARIBALDI ST IMPROVEMENTS					
8TH AVE WQF PROFILE					
Hillsboro OREGON					
PHONE: 503.681.6146 FAX: 503.681.6245 150 E MAIN ST 4TH FLOOR HILLSBORO, OR 97123-4089 FILE NAME: PROPOSED ALTA.DWG					
EXPIRES: 6/30/2015					
					
6/27 CHANGED PIPE MATERIAL ADD ST 2					
SCALE	PLAN	HORIZ	VERT	DRAWN	CHECKED
1"=10'	1"=10'	1"=10'	1"=4'	CW	DG
DATE	REVISION	BY	APPD		



- CONSTRUCTION NOTES
- (A) INSTALL STANDARD DRIVEWAY
 - (B) ADJUST MANHOLE TO GRADE



SHEET NO. C-107 DRAWING NO. 24 OF 32 PROJECT NO. 10485 <small>DATE: 6/27/2013 8:03 AM</small>																																																			
NW CONNELL AVE & NW GARIBALDI ST IMPROVEMENTS NW GARIBALDI ST STA: 40+00 TO 45+00																																																			
 <small>PHONE: 503.681.6146 FAX: 503.681.6245 150 E MAIN ST 4TH FLOOR HILLSBORO, OR 97123-4089</small>																																																			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>DATE</th> <th>SCALE</th> <th>BY</th> <th>AP'D</th> <th>REVISION</th> </tr> <tr> <td>6/27/13</td> <td>PLAN: 1"=20' PROFILE: 1"=2'</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	DATE	SCALE	BY	AP'D	REVISION	6/27/13	PLAN: 1"=20' PROFILE: 1"=2'																			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;"> CHANGED SITE MATERIAL ADD # 2 </td> <td style="text-align: center;"> SCALE 1"=20' 1"=2' </td> <td style="text-align: center;"> PROF 1"=20' 1"=2' </td> <td style="text-align: center;"> DRAWN CW </td> <td style="text-align: center;"> CHECKED DG </td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CHANGED SITE MATERIAL ADD # 2	SCALE 1"=20' 1"=2'	PROF 1"=20' 1"=2'	DRAWN CW	CHECKED DG																				
DATE	SCALE	BY	AP'D	REVISION																																															
6/27/13	PLAN: 1"=20' PROFILE: 1"=2'																																																		
CHANGED SITE MATERIAL ADD # 2	SCALE 1"=20' 1"=2'	PROF 1"=20' 1"=2'	DRAWN CW	CHECKED DG																																															

